

ABSTRACT OF THE DISCLOSURE

A method of making a tire includes making a carcass structure, applying a belt structure to the carcass structure, applying a tread band to the belt structure, applying at least one pair of sidewalls to the carcass structure, and vulcanizing the tire. Making the carcass structure involves formation of at least one first carcass ply, including preparing at least one continuous strip element and depositing the at least one continuous strip element onto a toroidal support in alternating deposition sections. Each deposition section extends in a substantially U-shaped conformation against a profile in transverse section of the toroidal support or a previously-deposited deposition section, substantially over an entire length of the respective deposition section, to define two side portions and a crown portion. The crown portion of each deposition section is arranged consecutively in side-by-side relationship along a circumferential extension of the toroidal support.

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